

Connector/Steel-to-Wood Fastening

Outdoor Accents® Structural Wood Screw

(Strong-Drive® SDWS TIMBER Screw)

Structural Wood-to-Wood Connections for Outdoor Accents Decorative Hardware

Designed to provide an easier and significantly faster installation time compared to through-bolting. When used with the patented hex-head washer (which is code report listed in IAPMO UES ER-192), it provides a structural, decorative solution for Outdoor Accent products.

Black exterior coatings provide corrosion resistance equivalent to hot-dip galvanization (ASTM A153, Class D), making them suitable for certain exterior and preservative-treated wood applications.

Features:

- New patented SawTooth® point on the 3½" and 5½" lengths ensures fast starts, reduces installation torque and eliminates the need for predrilling in most applications
- Deep 6-lobe T40 recess for secure and easy driving
- Underhead nibs offer greater control when seating the head

Codes/Standards: IAPMO UES ER-192 (including City of LA Supplement), State of Florida FL13975

US Patent: 9,523,383

For more information, see pp. 64–66, C-F-2023 Fastening Systems catalog

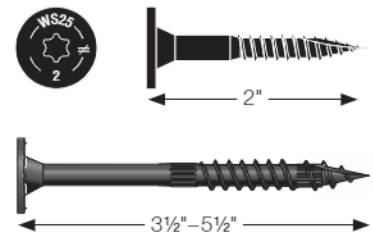
The SDWS22312DBB, SDWS22512DBB and the SDWS25200DBB can be used in conjunction with the STN22 hex-head washer. When installing SDWS22312DBB and SDWS22512DBB, the STN22 can be placed onto wood or steel side plate, and SDWS25200DBB can be placed onto steel side plate member prior to screw installation.

SDWS Outdoor Accents Structural Wood Screw with STN22 Hex-Head Washer — Wood to Wood/Steel



SDWS22312DBB with STN22 Hex-Head Washer

Patented, see strongtie.com/patents for the most current list.



Model No.	Thread Length (in.)	Reference Allowable Shear Loads (lb.)					
		2x Wood Side Member			12-ga. Steel Side Member		
		DFL/SP	SPF/HF	Western Cedar	DFL/SP	SPF/HF	Western Cedar
SDWS22312DBB with STN22	2	235	192	179	470	385	320
SDWS22512DBB with STN22	3	465	430	395	640	495	425
SDWS25200DBB with STN22	1¼	—	—	—	210	170	—

See footnotes below.

SDWS Outdoor Accents Structural Wood Screw — Wood to Wood

Model No.	Thread Length (in.)	Reference Allowable Shear Loads (lb.)			Reference Allowable Withdrawal Loads (lb./in.)		
		2x Wood Side Member			DFL/SP	SPF/HF	Western Cedar
		DFL/SP	SPF/HF	Western Cedar			
SDWS22312DBB	2	255	190	225	164	151	142
SDWS22512DBB	3	405	405	230	214	187	142
SDWS25200DBB	1¼	—	—	—	172	103	—

1. Allowable loads are for connections between two members with full thread penetration into the main member.
2. Allowable loads are shown at the wood load duration factor of $C_D = 1.0$. Loads may be increased for load duration per the building code up to a $C_D = 1.60$. Tabulated values must be multiplied by all applicable adjustment factors per the NDS.
3. Minimum spacing, edge and end distance requirements are per IAPMO UES ER-192.
4. Loads are based on installation into the side grain of the wood with the screw axis perpendicular to the face of the member.
5. "—" indicates conditions not tested.